Surface Science 199 (1988) 640–644
North-Holland, Amsterdam

AUTHOR INDEX

Adams, D.L., see Sowa 199 (1988) 174
Albert, M.R., see Lu 199 (1988) L406
Allen, V.M., W.E. Jones and P.D. Pacey, A molecular orbital study of carbon monoxide adsorption on a MnO surface 199 (1988) 309
Andersson, S., see Westerlund 199 (1988) 109
Aono, M., see Souda 199 (1988) 154
Aoto, N., E. Ikawa and Y. Kurogi, Low-energy electron energy loss spectroscopy of Cl adsorbed Si(111), Si(100) and Si(110) surfaces 199 (1988) 408
Aruga, T., see Onishi 199 (1988) 54
Asbury, D.A. and G.B. Hoflund, The influence of annealing and low-pressure oxygen exposure on a sputtered Pt_3Sn alloy surface. III 199 (1988) 552
Au, C.T., W. Hirsch and W. Hirschwald, Adsorption and interaction of carbon dioxide, formic acid and hydrogen/carbon dioxide mixtures on $(10\bar{1}0)$ zinc oxide surfaces studied by photoelectron spectroscopy (XPS and UPS) 199 (1988) 507

Bao Xinhe, Dong Shuzhong and Deng Jingfa, Adsorption of oxygen on electrolytic silver by UPS and work function measurement 199 (1988) 493
Batchelor, D.R., see Holmes 199 (1988) 476
Belton, D.N. and S. J. Schmieg, Interaction of $[Rh(CO)_2Cl]_2$ with O_2 oxidized Al(100): effect of Al_2O_3 preparation on $[Rh(CO)_2Cl]_2$ decomposition 199 (1988) 518
Bernasek, S.L., see Lu 199 (1988) L406
Bertel, E., see Netzer 199 (1988) 87
Bojan, M.J. and W.A. Steele, Computer simulation of physisorption on a heterogeneous surface 199 (1988) L395
Bonzel, H.P., see Wesner 199 (1988) L419
Bonzel, H.P., see Pirug 199 (1988) 371
Bourguignon, B., see Carleton 199 (1988) 447
Budde, F., see Hamza 199 (1988) 13

Carleton, K.L., B. Bourguignon and S.R. Leone, Desorption of a two-state system: laser probing of gallium atom spin–orbit states from silicon (100) 199 (1988) 447
Coenen, F.P., see Wesner 199 (1988) L419
Cowley, J.M., see Peng 199 (1988) 609

De Mello, E.V.L. and M.S.O. Massunaga, Renormalization group studies for hydrogen isotopes adsorbed on graphite 199 (1988) 579
Deng Jingfa, see Bao Xinhe 199 (1988) 493
Djafari Rouhani, B., see Nougaoui 199 (1988) 623
Dong Shuzhong, see Bao Xinhe 199 (1988) 493
Duryea, T.W. and H.B. Huntington, The driving force for electromigration of an atom adsorbed on simple metal surface 199 (1988) 261
Dwyer, D.J., see Lu 199 (1988) L406

Egawa, C., see Onishi	199 (1988)	54
Ertl, A., L. Röhrer and H. Wilsch, Simple model calculations on angular and velocity distributions of molecules after recombinative desorption	199 (1988)	537
Ertl, G., see Hamza	199 (1988)	13
Es-Souni, M. and A. Mosser, Comments on 'Surface segregation of Si on Fe single crystal surfaces and interaction with carbon'	199 (1988)	439
Evans, J.W. and H. Pak, Desorption from non-equilibrium island-forming adlayers	199 (1988)	28
Farrell, J.E. and O.T. Valls, Phenomenological model for the growth of small metallic clusters on a substrate	199 (1988)	586
Feng, D.L., see Tsong	199 (1988)	421
Ferm, P.M., see Hamza	199 (1988)	13
Garcia, J.D., see Schafer	199 (1988)	132
Garrett, R.F., see Sagurton	199 (1988)	L413
Goldmann, A., see Netzer	199 (1988)	87
Hamza, A.V., P.M. Ferm, F. Budde and G. Ertl, The dynamics of NO scattering from NO- and CO-covered Ni(100)	199 (1988)	13
Harris, S., see Zonnevylle	199 (1988)	320
Hensley, D.A., see Venus	199 (1988)	391
Heskett, D., The interaction range in alkali metal-promoted systems	199 (1988)	67
Hirai, M., see Kusaka	199 (1988)	99
Hirai, M., see Iwami	199 (1988)	467
Hirsch, W., see Au	199 (1988)	507
Hirschwald, W., see Au	199 (1988)	507
Hoffmann, R., see Zonnevylle	199 (1988)	320
Hoflund, G.B., see Asbury	199 (1988)	552
Holland, B.W., see Wander	199 (1988)	L403
Holmes, D.J., D.R. Batchelor and D.A. King, Surface structure determination by SEXAFS: the reliability of bond lengths and coordination numbers from multi-shell analyses	199 (1988)	476
Hourani, M., see Palaikis	199 (1988)	183
Huntington, H.B., see Duryea	199 (1988)	261
Ikawa, E., see Aoto	199 (1988)	408
Ishizawa, Y., see Souda	199 (1988)	154
Iwami, M., see Kusaka	199 (1988)	99
Iwami, M., M. Kusaka, M. Hirai, H. Nakamura, K. Shibahara and H. Matsunami, A new application of soft X-ray spectroscopy to a non-destructive analysis of a film/substrate contact system: carbonized-layer (ultra-thin-film)/Si(100)	199 (1988)	467
Iwasawa, Y., see Onishi	199 (1988)	54
Jones, W.E., see Allen	199 (1988)	309
Jönsson, L., see Westerlund	199 (1988)	109
Kesmodel, L.L., see Venus	199 (1988)	391
Khanra, B.C., see Modak	199 (1988)	361
King, D.A., see Holmes	199 (1988)	476

Kleinherenbrink, P.M., see Sasse 199 (1988) 243
Kurogi, Y., see Aoto 199 (1988) 408
Kusaka, M., M. Hirai and M. Iwami, AES and LEELS study of room temperature deposition of Ag on a CdS (air cleaved) substrate 199 (1988) 99
Kusaka, M., see Iwami 199 (1988) 467
Kwong, N.-H., see Schafer 199 (1988) 132

Lacharme, J.P., see M'hamedi 199 (1988) 121
Lambert, R.M., see Tysoe 199 (1988) 1
Leone, S.R., see Carleton 199 (1988) 447
Li, R.-S. and Y.-Z. Sun, Quantitative Auger electron spectroscopy analysis of the Au–Cu alloys. Surface Science 191 (1987) 339–352. *Erratum* 199 (1988) 638
Lietti, L., see Tronconi 199 (1988) 43
Liu, H.M., see Tsong 199 (1988) 421
López Sancho, J.M., see Rubio 199 (1988) 297
López Sancho, M.P., see Rubio 199 (1988) 297
Lu, J.-P., M.R. Albert, S.L. Bernasek and D.J. Dwyer, Adsorption state conversion of CO on Fe(100) 199 (1988) L406

Massunaga, M.S.O., see De Mello 199 (1988) 579
Matsunami, H., see Iwami 199 (1988) 467
Meath, W.J., see Thuraisingham 199 (1988) 199
M'hamedi, O., F. Proix, J.P. Lacharme and C.A. Sébenne, Interaction of atomic hydrogen with InP(100): comparison with the cleaved surface interaction 199 (1988) 121
Modak, S. and B.C. Khanra, Studies on the effect of surface segregation on hydrocarbon conversion over Cu–Ni alloys 199 (1988) 361
Mosser, A., see Es-Souni 199 (1988) 439
Mullins, D.R. and S.H. Overbury, The structure and composition of the NiAl(110) and NiAl(100) surfaces 199 (1988) 141

Nakamura, H., see Iwami 199 (1988) 467
Netzer, F.P., E. Bertel and A. Goldmann, Structure and surface chemistry of 5-membered cyclic molecules on Rh(111): pyrrole 199 (1988) 87
Nougaoui, A. and B. Djafari Rouhani, Complex band structure of acoustic waves in superlattices 199 (1988) 623

Oechsner, H., see Wucher 199 (1988) 567
Onishi, H., T. Aruga, C. Egawa and Y. Iwasawa, Modification of surface electronic structure on TiO_2(110) and TiO_2(441) by Na deposition 199 (1988) 54
Oshima, C., see Souda 199 (1988) 154
Otani, S., see Souda 199 (1988) 154
Overbury, S.H., see Mullins 199 (1988) 141

Pacey, P.D., see Allen 199 (1988) 309
Pak, H., see Evans 199 (1988) 28
Palaikis, L., D. Zurawski, M. Hourani and A. Wieckowski, Surface electrochemistry of carbon monoxide adsorbed from electrolytic solutions at single crystal surfaces of Pt(111) and Pt(100) 199 (1988) 183
Peng, L.-M. and J.M. Cowley, A multislice approach to the RHEED and REM calculation 199 (1988) 609

Pirug, G. and H.P. Bonzel, Short range interaction of K and CO coadsorbed on Pt(111) 199 (1988) 371
Proix, F., see M'hamedi 199 (1988) 121

Refolio, M.C., see Rubio 199 (1988) 297
Röhrer, L., see Ertl 199 (1988) 537
Rubio, J., J.M. López Sancho, M.C. Refolio and M.P. López Sancho, The dynamic form factor of a one-level adsorbate: cluster–Bethe lattice approach in configuration space 199 (1988) 297

Sagurton, M., P. Xu, R.F. Garrett and G.P. Williams, Determination of the energy of the σ level for CO adsorbed on Ni(001) using both Auger and direct photoemission 199 (1988) L413
Salmeron, M., see Vurens 199 (1988) L387
Sasse, A.G.B.M., P.M. Kleinherenbrink and A. van Silfhout, Missing dimer defects investigated by adsorption of nitric oxide (NO) on silicon (100) 2×1 199 (1988) 243
Schafer, K.J., N.-H. Kwong and J.D. Garcia, Ion–surface scattering in the time-dependent mean-field approximation 199 (1988) 132
Schmieg, S.J., see Belton 199 (1988) 518
Sébenne, C.A., see M'hamedi 199 (1988) 121
Shibahara, K., see Iwami 199 (1988) 467
Somorjai, G.A., see Vurens 199 (1988) L387
Souda, R., C. Oshima, S. Otani, Y. Ishizawa and M. Aono, Structure analysis of oxygen adsorbed TiC(111) by impact collision ion scattering spectroscopy 199 (1988) 154
Sowa, E.C., M.A. Van Hove and D.L. Adams, The missing-row model for the reconstructed Pt(110)–(1×2) surface: a LEED intensity analysis showing multilayer distortions 199 (1988) 174
Steele, W.A., see Bojan 199 (1988) L395
Stoyanov, S., Layer growth of epitaxial films and superlattices 199 (1988) 226
Strongin, D.R., see Vurens 199 (1988) L387
Sun, Y.-Z., see Li 199 (1988) 638

Takayanagi, K., see Yamazaki 199 (1988) 595
Tanishiro, Y., see Yamazaki 199 (1988) 595
Thuraisingham, R.A. and W.J. Meath, Orientationally averaged spectra. An application to molecules adsorbed on a surface 199 (1988) 199
Tognato, R., Some considerations on the interfacial free energies of liquid clusters embedded in a crystal matrix 199 (1988) 282
Tronconi, E. and L. Lietti, An exact single-curve analysis technique for TPD spectra 199 (1988) 43
Tsong, T.T., D.L. Feng and H.M. Liu, Atomic structures in reconstruction of high index surfaces of silicon 199 (1988) 421
Tysoe, W.T. and R.M. Lambert, Structure and reactivity at the halogen/metal interface: chemisorption, corrosion and reaction pathways in the Pd(111)–Cl_2 system 199 (1988) 1

Valls, O.T., see Farrell 199 (1988) 586
Van Hove, M.A., see Sowa 199 (1988) 174
Van Silfhout, A., see Sasse 199 (1988) 243
Venus, D., D.A. Hensley and L.L. Kesmodel, High resolution EELS measurements of CO adsorption on Pt/Al_2O_3 model catalysts via impact scattering 199 (1988) 391

Vilfan, I., see Villain 199 (1988) 165
Villain, J. and I. Vilfan, Surface deconstruction of Au(110) 199 (1988) 165
Vurens, G.H., D.R. Strongin, M. Salmeron and G.A. Somorjai, An ISS and AES study of alkali induced sintering of an iron oxide monolayer adsorbed on Pt(111) 199 (1988) L387

Wander, A. and B.W. Holland, The structure of formate on Cu(100) 199 (1988) L403
Wesner, D.A., F.P. Coenen and H.P. Bonzel, Amplitude anisotropy of the bending vibration of CO adsorbed on Ni(110) 199 (1988) L419
Westerlund, L., L. Jönsson and S. Andersson, Hydrogen recombination and Σ-desorption from the Ni(100)-H-CO coadsorption system 199 (1988) 109
Wieckowski, A., see Palaikis 199 (1988) 183
Williams, G.P., see Sagurton 199 (1988) L413
Wilsch, H., see Ertl 199 (1988) 537
Wucher, A. and H. Oechsner, Emission energy dependence of ionization probabilities in secondary ion emission from oxygen covered Ta, Nb and Cu surfaces 199 (1988) 567

Xu, P., see Sagurton 199 (1988) L413

Yagi, K., see Yamazaki 199 (1988) 595
Yamazaki, K., K. Takayanagi, Y. Tanishiro and K. Yagi, Transmission electron microscope study of the reconstructed Au(001) surface 199 (1988) 595

Zonnevylle, M.C., R. Hoffmann and S. Harris, Thiophene hydrodesulfurization on MoS_2; theoretical aspects 199 (1988) 320
Zurawski, D., see Palaikis 199 (1988) 183

Surface Science 199 (1988) 645–656
North-Holland, Amsterdam

SUBJECT INDEX

Alkali metals

G.H. Vurens, D.R. Strongin, M. Salmeron and G.A. Somorjai, An ISS and AES study of alkali induced sintering of an iron oxide monolayer adsorbed on Pt(111) 199 (1988) L387
H. Onishi, T. Aruga, C. Egawa and Y. Iwasawa, Modification of surface electronic structure on TiO_2(110) and TiO_2(441) by Na deposition 199 (1988) 54
D. Heskett, The interaction range in alkali metal-promoted systems 199 (1988) 67
G. Pirug and H.P. Bonzel, Short range interaction of K and CO coadsorbed on Pt(111) 199 (1988) 371

Alloys

D.R. Mullins and S.H. Overbury, The structure and composition of the NiAl(110) and NiAl(100) surfaces 199 (1988) 141
S. Modak and B.C. Khanra, Studies on the effect of surface segregation on hydrocarbon conversion over Cu–Ni alloys 199 (1988) 361
D.A. Asbury and G.B. Hoflund, The influence of annealing and low-pressure oxygen exposure on a sputtered Pt_3Sn alloy surface. III 199 (1988) 552

Aluminium oxide

D.N. Belton and S. J. Schmieg, Interaction of $[Rh(CO)_2Cl]_2$ with O_2 oxidized Al(100): effect of Al_2O_3 preparation on $[Rh(CO)_2Cl]_2$ decomposition 199 (1988) 518

Auger electron spectroscopy

M. Kusaka, M. Hirai and M. Iwami, AES and LEELS study of room temperature deposition of Ag on a CdS (air cleaved) substrate 199 (1988) 99
M. Sagurton, P. Xu, R.F. Garrett and G.P. Williams, Determination of the energy of the σ level for CO adsorbed on Ni(001) using both Auger and direct photoemission 199 (1988) L413
D.N. Belton and S. J. Schmieg, Interaction of $[Rh(CO)_2Cl]_2$ with O_2 oxidized Al(100): effect of Al_2O_3 preparation on $[Rh(CO)_2Cl]_2$ decomposition 199 (1988) 518
D.A. Asbury and G.B. Hoflund, The influence of annealing and low-pressure oxygen exposure on a sputtered Pt_3Sn alloy surface. III 199 (1988) 552

Band structure

A. Nougaoui and B. Djafari Rouhani, Complex band structure of acoustic waves in superlattices 199 (1988) 623

Cadmium sulphide

M. Kusaka, M. Hirai and M. Iwami, AES and LEELS study of room temperature deposition of Ag on a CdS (air cleaved) substrate 199 (1988) 99

Carbon dioxide

C.T. Au, W. Hirsch and W. Hirschwald, Adsorption and interaction of carbon dioxide, formic acid and hydrogen/carbon dioxide mixtures on ($10\bar{1}0$) zinc oxide surfaces studied by photoelectron spectroscopy (XPS and UPS) 199 (1988) 507

Carbon monoxide

A.V. Hamza, P.M. Ferm, F. Budde and G. Ertl, The dynamics of NO scattering from NO- and CO-covered Ni(100) 199 (1988) 13

D. Heskett, The interaction range in alkali metal-promoted systems 199 (1988) 67

L. Westerlund, L. Jönsson and S. Andersson, Hydrogen recombination and Σ-desorption from the Ni(100)-H-CO coadsorption system 199 (1988) 109

L. Palaikis, D. Zurawski, M. Hourani and A. Wieckowski, Surface electrochemistry of carbon monoxide adsorbed from electrolytic solutions at single crystal surfaces of Pt(111) and Pt(100) 199 (1988) 183

R.A. Thuraisingham and W.J. Meath, Orientationally averaged spectra. An application to molecules adsorbed on a surface 199 (1988) 199

V.M. Allen, W.E. Jones and P.D. Pacey, A molecular orbital study of carbon monoxide adsorption on a MnO surface 199 (1988) 309

J.-P. Lu, M.R. Albert, S.L. Bernasek and D.J. Dwyer, Adsorption state conversion of CO on Fe(100) 199 (1988) L406

M. Sagurton, P. Xu, R.F. Garrett and G.P. Williams, Determination of the energy of the σ level for CO adsorbed on Ni(001) using both Auger and direct photoemission 199 (1988) L413

D.A. Wesner, F.P. Coenen and H.P. Bonzel, Amplitude anisotropy of the bending vibration of CO adsorbed on Ni(110) 199 (1988) L419

G. Pirug and H.P. Bonzel, Short range interaction of K and CO coadsorbed on Pt(111) 199 (1988) 371

D. Venus, D.A. Hensley and L.L. Kesmodel, High resolution EELS measurements of CO adsorption on Pt/Al_2O_3 model catalysts via impact scattering 199 (1988) 391

Carboxylic acid

A. Wander and B.W. Holland, The structure of formate on Cu(100) 199 (1988) L403

C.T. Au, W. Hirsch and W. Hirschwald, Adsorption and interaction of carbon dioxide, formic acid and hydrogen/carbon dioxide mixtures on ($10\bar{1}0$) zinc oxide surfaces studied by photoelectron spectroscopy (XPS and UPS) 199 (1988) 507

Chemisorption theory

J. Rubio, J.M. López Sancho, M.C. Refolio and M.P. López Sancho, The dynamic form factor of a one-level adsorbate: cluster–Bethe lattice approach in configuration space 199 (1988) 297

V.M. Allen, W.E. Jones and P.D. Pacey, A molecular orbital study of carbon monoxide adsorption on a MnO surface 199 (1988) 309
M.C. Zonnevylle, R. Hoffmann and S. Harris, Thiophene hydrodesulfurization on MoS_2; theoretical aspects 199 (1988) 320
S. Modak and B.C. Khanra, Studies on the effect of surface segregation on hydrocarbon conversion over Cu–Ni alloys 199 (1988) 361
A. Wander and B.W. Holland, The structure of formate on Cu(100) 199 (1988) L403

Clusters

R. Tognato, Some considerations on the interfacial free energies of liquid clusters embedded in a crystal matrix 199 (1988) 282
J.E. Farrell and O.T. Valls, Phenomenological model for the growth of small metallic clusters on a substrate 199 (1988) 586

Copper

A. Wander and B.W. Holland, The structure of formate on Cu(100) 199 (1988) L403
A. Wucher and H. Oechsner, Emission energy dependence of ionization probabilities in secondary ion emission from oxygen covered Ta, Nb and Cu surfaces 199 (1988) 567

Electron diffraction, see also Low energy electron diffraction

L.-M. Peng and J.M. Cowley, A multislice approach to the RHEED and REM calculation 199 (1988) 609

Electron loss spectroscopy

D. Heskett, The interaction range in alkali metal-promoted systems 199 (1988) 67
M. Kusaka, M. Hirai and M. Iwami, AES and LEELS study of room temperature deposition of Ag on a CdS (air cleaved) substrate 199 (1988) 99
L. Westerlund, L. Jönsson and S. Andersson, Hydrogen recombination and Σ-desorption from the Ni(100)-H-CO coadsorption system 199 (1988) 109
G. Pirug and H.P. Bonzel, Short range interaction of K and CO coadsorbed on Pt(111) 199 (1988) 371
D. Venus, D.A. Hensley and L.L. Kesmodel, High resolution EELS measurements of CO adsorption on Pt/Al_2O_3 model catalysts via impact scattering 199 (1988) 391
N. Aoto, E. Ikawa and Y. Kurogi, Low-energy electron energy loss spectroscopy of Cl adsorbed Si(111), Si(100) and Si(110) surfaces 199 (1988) 408

Electron microscopy

K. Yamazaki, K. Takayanagi, Y. Tanishiro and K. Yagi, Transmission electron microscope study of the reconstructed Au(001) surface 199 (1988) 595
L.-M. Peng and J.M. Cowley, A multislice approach to the RHEED and REM calculation 199 (1988) 609

Epitaxy

S. Stoyanov, Layer growth of epitaxial films and superlattices 199 (1988) 226

Field ion microscopy

T.T. Tsong, D.L. Feng and H.M. Liu, Atomic structures in reconstruction of high index surfaces of silicon 199 (1988) 421

Gallium

K.L. Carleton, B. Bourguignon and S.R. Leone, Desorption of a two-state system: laser probing of gallium atom spin–orbit states from silicon (100) 199 (1988) 447

Gold

J. Villain and I. Vilfan, Surface deconstruction of Au(110) 199 (1988) 165
K. Yamazaki, K. Takayanagi, Y. Tanishiro and K. Yagi, Transmission electron microscope study of the reconstructed Au(001) surface 199 (1988) 595

Graphite

R.A. Thuraisingham and W.J. Meath, Orientationally averaged spectra. An application to molecules adsorbed on a surface 199 (1988) 199
E.V.L. de Mello and M.S.O. Massunaga, Renormalization group studies for hydrogen isotopes adsorbed on graphite 199 (1988) 579

Halogens

W.T. Tysoe and R.M. Lambert, Structure and reactivity at the halogen/metal interface: chemisorption, corrosion and reaction pathways in the Pd(111)–Cl_2 system 199 (1988) 1
N. Aoto, E. Ikawa and Y. Kurogi, Low-energy electron energy loss spectroscopy of Cl adsorbed Si(111), Si(100) and Si(110) surfaces 199 (1988) 408
D.J. Holmes, D.R. Batchelor and D.A. King, Surface structure determination by SEXAFS: the reliability of bond lengths and coordination numbers from multi-shell analyses 199 (1988) 476

Hydrogen

L. Westerlund, L. Jönsson and S. Andersson, Hydrogen recombination and Σ-desorption from the Ni(100)-H-CO coadsorption system 199 (1988) 109
O. M'hamedi, F. Proix, J.P. Lacharme and C.A. Sébenne, Interaction of atomic hydrogen with InP(100): comparison with the cleaved surface interaction 199 (1988) 121
J. Rubio, J.M. López Sancho, M.C. Refolio and M.P. López Sancho, The dynamic form factor of a one-level adsorbate: cluster–Bethe lattice approach in configuration space 199 (1988) 297

C.T. Au, W. Hirsch and W. Hirschwald, Adsorption and interaction of carbon dioxide, formic acid and hydrogen/carbon dioxide mixtures on $(10\bar{1}0)$ zinc oxide surfaces studied by photoelectron spectroscopy (XPS and UPS) 199 (1988) 507

E.V.L. de Mello and M.S.O. Massunaga, Renormalization group studies for hydrogen isotopes adsorbed on graphite 199 (1988) 579

Indium phosphide

O. M'hamedi, F. Proix, J.P. Lacharme and C.A. Sébenne, Interaction of atomic hydrogen with InP(100): comparison with the cleaved surface interaction 199 (1988) 121

Ion scattering

G.H. Vurens, D.R. Strongin, M. Salmeron and G.A. Somorjai, An ISS and AES study of alkali induced sintering of an iron oxide monolayer adsorbed on Pt(111) 199 (1988) L387

K.J. Schafer, N.-H. Kwong and J.D. Garcia, Ion–surface scattering in the time-dependent mean-field approximation 199 (1988) 132

D.R. Mullins and S.H. Overbury, The structure and composition of the NiAl(110) and NiAl(100) surfaces 199 (1988) 141

R. Souda, C. Oshima, S. Otani, Y. Ishizawa and M. Aono, Structure analysis of oxygen adsorbed TiC(111) by impact collision ion scattering spectroscopy 199 (1988) 154

D.A. Asbury and G.B. Hoflund, The influence of annealing and low-pressure oxygen exposure on a sputtered Pt_3Sn alloy surface. III 199 (1988) 552

Iron

J.-P. Lu, M.R. Albert, S.L. Bernasek and D.J. Dwyer, Adsorption state conversion of CO on Fe(100) 199 (1988) L406

M. Es-Souni and A. Mosser, Comments on 'Surface segregation of Si on Fe single crystal surfaces and interaction with carbon' 199 (1988) 439

Iron oxide

G.H. Vurens, D.R. Strongin, M. Salmeron and G.A. Somorjai, An ISS and AES study of alkali induced sintering of an iron oxide monolayer adsorbed on Pt(111) 199 (1988) L387

Low energy electron diffraction

L. Westerlund, L. Jönsson and S. Andersson, Hydrogen recombination and Σ-desorption from the Ni(100)-H-CO coadsorption system 199 (1988) 109

E.C. Sowa, M.A. Van Hove and D.L. Adams, The missing-row model for the reconstructed Pt(110)–(1×2) surface: a LEED intensity analysis showing multilayer distortions 199 (1988) 174

G. Pirug and H.P. Bonzel, Short range interaction of K and CO coadsorbed on Pt(111) 199 (1988) 371

Molecular beam studies

W.T. Tysoe and R.M. Lambert, Structure and reactivity at the halogen/metal interface: chemisorption, corrosion and reaction pathways in the Pd(111)–Cl_2 system 199 (1988) 1
A.V. Hamza, P.M. Ferm, F. Budde and G. Ertl, The dynamics of NO scattering from NO- and CO-covered Ni(100) 199 (1988) 13

Nickel

A.V. Hamza, P.M. Ferm, F. Budde and G. Ertl, The dynamics of NO scattering from NO- and CO-covered Ni(100) 199 (1988) 13
D. Heskett, The interaction range in alkali metal-promoted systems 199 (1988) 67
L. Westerlund, L. Jönsson and S. Andersson, Hydrogen recombination and Σ-desorption from the Ni(100)-H-CO coadsorption system 199 (1988) 109
M. Sagurton, P. Xu, R.F. Garrett and G.P. Williams, Determination of the energy of the σ level for CO adsorbed on Ni(001) using both Auger and direct photoemission 199 (1988) L413
D.A. Wesner, F.P. Coenen and H.P. Bonzel, Amplitude anisotropy of the bending vibration of CO adsorbed on Ni(110) 199 (1988) L419

Niobium

A. Wucher and H. Oechsner, Emission energy dependence of ionization probabilities in secondary ion emission from oxygen covered Ta, Nb and Cu surfaces 199 (1988) 567

Nitric oxide

A.V. Hamza, P.M. Ferm, F. Budde and G. Ertl, The dynamics of NO scattering from NO- and CO-covered Ni(100) 199 (1988) 13
A.G.B.M. Sasse, P.M. Kleinherenbrink and A. van Silfhout, Missing dimer defects investigated by adsorption of nitric oxide (NO) on silicon (100) 2×1 199 (1988) 243

Nitrogen

R.A. Thuraisingham and W.J. Meath, Orientationally averaged spectra. An application to molecules adsorbed on a surface 199 (1988) 199

Noble gases

M.J. Bojan and W.A. Steele, Computer simulation of physisorption on a heterogeneous surface 199 (1988) L395

Organic substances

F.P. Netzer, E. Bertel and A. Goldmann, Structure and surface chemistry of 5-membered cyclic molecules on Rh(111): pyrrole 199 (1988) 87

M.C. Zonnevylle, R. Hoffmann and S. Harris, Thiophene hydrodesulfurization on MoS_2; theoretical aspects 199 (1988) 320
S. Modak and B.C. Khanra, Studies on the effect of surface segregation on hydrocarbon conversion over Cu–Ni alloys 199 (1988) 361
D.N. Belton and S. J. Schmieg, Interaction of $[Rh(CO)_2Cl]_2$ with O_2 oxidized Al(100): effect of Al_2O_3 preparation on $[Rh(CO)_2Cl]_2$ decomposition 199 (1988) 518

Oxides

V.M. Allen, W.E. Jones and P.D. Pacey, A molecular orbital study of carbon monoxide adsorption on a MnO surface 199 (1988) 309

Oxygen

R. Souda, C. Oshima, S. Otani, Y. Ishizawa and M. Aono, Structure analysis of oxygen adsorbed TiC(111) by impact collision ion scattering spectroscopy 199 (1988) 154
Bao Xinhe, Dong Shuzhong and Deng Jingfa, Adsorption of oxygen on electrolytic silver by UPS and work function measurement 199 (1988) 493
D.A. Asbury and G.B. Hoflund, The influence of annealing and low-pressure oxygen exposure on a sputtered Pt_3Sn alloy surface. III 199 (1988) 552
A. Wucher and H. Oechsner, Emission energy dependence of ionization probabilities in secondary ion emission from oxygen covered Ta, Nb and Cu surfaces 199 (1988) 567

Palladium

W.T. Tysoe and R.M. Lambert, Structure and reactivity at the halogen/metal interface: chemisorption, corrosion and reaction pathways in the Pd(111)–Cl_2 system 199 (1988) 1

Photoelectron spectroscopy

H. Onishi, T. Aruga, C. Egawa and Y. Iwasawa, Modification of surface electronic structure on TiO_2(110) and TiO_2(441) by Na deposition 199 (1988) 54
D. Heskett, The interaction range in alkali metal-promoted systems 199 (1988) 67
F.P. Netzer, E. Bertel and A. Goldmann, Structure and surface chemistry of 5-membered cyclic molecules on Rh(111): pyrrole 199 (1988) 87
O. M'hamedi, F. Proix, J.P. Lacharme and C.A. Sébenne, Interaction of atomic hydrogen with InP(100): comparison with the cleaved surface interaction 199 (1988) 121
M. Sagurton, P. Xu, R.F. Garrett and G.P. Williams, Determination of the energy of the σ level for CO adsorbed on Ni(001) using both Auger and direct photoemission 199 (1988) L413
D.A. Wesner, F.P. Coenen and H.P. Bonzel, Amplitude anisotropy of the bending vibration of CO adsorbed on Ni(110) 199 (1988) L419
Bao Xinhe, Dong Shuzhong and Deng Jingfa, Adsorption of oxygen on electrolytic silver by UPS and work function measurement 199 (1988) 493
C.T. Au, W. Hirsch and W. Hirschwald, Adsorption and interaction of carbon dioxide, formic acid and hydrogen/carbon dioxide mixtures on $(10\bar{1}0)$ zinc oxide surfaces studied by photoelectron spectroscopy (XPS and UPS) 199 (1988) 507

D.N. Belton and S. J. Schmieg, Interaction of $[Rh(CO)_2Cl]_2$ with O_2 oxidized Al(100): effect of Al_2O_3 preparation on $[Rh(CO)_2Cl]_2$ decomposition 199 (1988) 518

Photon emission

M. Iwami, M. Kusaka, M. Hirai, H. Nakamura, K. Shibahara and H. Matsunami, A new application of soft X-ray spectroscopy to a non-destructive analysis of a film/substrate contact system: carbonized-layer (ultra-thin-film)/Si(100) 199 (1988) 467

Physisorption

M.J. Bojan and W.A. Steele, Computer simulation of physisorption on a heterogeneous surface 199 (1988) L395

Platinum

G.H. Vurens, D.R. Strongin, M. Salmeron and G.A. Somorjai, An ISS and AES study of alkali induced sintering of an iron oxide monolayer adsorbed on Pt(111) 199 (1988) L387

E.C. Sowa, M.A. Van Hove and D.L. Adams, The missing-row model for the reconstructed Pt(110)–(1 × 2) surface: a LEED intensity analysis showing multilayer distortions 199 (1988) 174

L. Palaikis, D. Zurawski, M. Hourani and A. Wieckowski, Surface electrochemistry of carbon monoxide adsorbed from electrolytic solutions at single crystal surfaces of Pt(111) and Pt(100) 199 (1988) 183

G. Pirug and H.P. Bonzel, Short range interaction of K and CO coadsorbed on Pt(111) 199 (1988) 371

D. Venus, D.A. Hensley and L.L. Kesmodel, High resolution EELS measurements of CO adsorption on Pt/Al_2O_3 model catalysts via impact scattering 199 (1988) 391

Reflection spectroscopy

R.A. Thuraisingham and W.J. Meath, Orientationally averaged spectra. An application to molecules adsorbed on a surface 199 (1988) 199

A.G.B.M. Sasse, P.M. Kleinherenbrink and A. van Silfhout, Missing dimer defects investigated by adsorption of nitric oxide (NO) on silicon (100) 2 × 1 199 (1988) 243

Rhodium

F.P. Netzer, E. Bertel and A. Goldmann, Structure and surface chemistry of 5-membered cyclic molecules on Rh(111): pyrrole 199 (1988) 87

Ruthenium

D. Heskett, The interaction range in alkali metal-promoted systems 199 (1988) 67

Silicon

A.G.B.M. Sasse, P.M. Kleinherenbrink and A. van Silfhout, Missing dimer defects investigated by adsorption of nitric oxide (NO) on silicon (100) 2×1 199 (1988) 243
N. Aoto, E. Ikawa and Y. Kurogi, Low-energy electron energy loss spectroscopy of Cl adsorbed Si(111), Si(100) and Si(110) surfaces 199 (1988) 408
T.T. Tsong, D.L. Feng and H.M. Liu, Atomic structures in reconstruction of high index surfaces of silicon 199 (1988) 421
M. Es-Souni and A. Mosser, Comments on 'Surface segregation of Si on Fe single crystal surfaces and interaction with carbon' 199 (1988) 439
K.L. Carleton, B. Bourguignon and S.R. Leone, Desorption of a two-state system: laser probing of gallium atom spin–orbit states from silicon (100) 199 (1988) 447
M. Iwami, M. Kusaka, M. Hirai, H. Nakamura, K. Shibahara and H. Matsunami, A new application of soft X-ray spectroscopy to a non-destructive analysis of a film/substrate contact system: carbonized-layer (ultra-thin-film)/Si(100) 199 (1988) 467

Silicon carbide

M. Iwami, M. Kusaka, M. Hirai, H. Nakamura, K. Shibahara and H. Matsunami, A new application of soft X-ray spectroscopy to a non-destructive analysis of a film/substrate contact system: carbonized-layer (ultra-thin-film)/Si(100) 199 (1988) 467

Silver

M. Kusaka, M. Hirai and M. Iwami, AES and LEELS study of room temperature deposition of Ag on a CdS (air cleaved) substrate 199 (1988) 99
D.J. Holmes, D.R. Batchelor and D.A. King, Surface structure determination by SEXAFS: the reliability of bond lengths and coordination numbers from multi-shell analyses 199 (1988) 476
Bao Xinhe, Dong Shuzhong and Deng Jingfa, Adsorption of oxygen on electrolytic silver by UPS and work function measurement 199 (1988) 493

Solid–electrolyte interface

L. Palaikis, D. Zurawski, M. Hourani and A. Wieckowski, Surface electrochemistry of carbon monoxide adsorbed from electrolytic solutions at single crystal surfaces of Pt(111) and Pt(100) 199 (1988) 183

Sputtering

A. Wucher and H. Oechsner, Emission energy dependence of ionization probabilities in secondary ion emission from oxygen covered Ta, Nb and Cu surfaces 199 (1988) 567

Sulphides

M.C. Zonnevylle, R. Hoffmann and S. Harris, Thiophene hydrodesulfurization on MoS_2; theoretical aspects 199 (1988) 320

Surface defects

A.G.B.M. Sasse, P.M. Kleinherenbrink and A. van Silfhout, Missing dimer defects investigated by adsorption of nitric oxide (NO) on silicon (100) 2×1 199 (1988) 243

Surface diffusion

T.W. Duryea and H.B. Huntington, The driving force for electromigration of an atom adsorbed on simple metal surface 199 (1988) 261

Surface energy

R. Tognato, Some considerations on the interfacial free energies of liquid clusters embedded in a crystal matrix 199 (1988) 282

Surface phonons

A. Nougaoui and B. Djafari Rouhani, Complex band structure of acoustic waves in superlattices 199 (1988) 623

Surface segregation

M. Es-Souni and A. Mosser, Comments on 'Surface segregation of Si on Fe single crystal surfaces and interaction with carbon' 199 (1988) 439

Surface structure, see also Low energy electron diffraction

D.R. Mullins and S.H. Overbury, The structure and composition of the NiAl(110) and NiAl(100) surfaces 199 (1988) 141

R. Souda, C. Oshima, S. Otani, Y. Ishizawa and M. Aono, Structure analysis of oxygen adsorbed TiC(111) by impact collision ion scattering spectroscopy 199 (1988) 154

J. Villain and I. Vilfan, Surface deconstruction of Au(110) 199 (1988) 165

E.C. Sowa, M.A. Van Hove and D.L. Adams, The missing-row model for the reconstructed Pt(110)–(1×2) surface: a LEED intensity analysis showing multilayer distortions 199 (1988) 174

A. Wander and B.W. Holland, The structure of formate on Cu(100) 199 (1988) L403

T.T. Tsong, D.L. Feng and H.M. Liu, Atomic structures in reconstruction of high index surfaces of silicon 199 (1988) 421

D.J. Holmes, D.R. Batchelor and D.A. King, Surface structure determination by SEXAFS: the reliability of bond lengths and coordination numbers from multi-shell analyses 199 (1988) 476

K. Yamazaki, K. Takayanagi, Y. Tanishiro and K. Yagi, Transmission electron microscope study of the reconstructed Au(001) surface 199 (1988) 595

Surface thermodynamics

J. Villain and I. Vilfan, Surface deconstruction of Au(110) 199 (1988) 165

E.V.L. de Mello and M.S.O. Massunaga, Renormalization group studies for hydrogen isotopes adsorbed on graphite 199 (1988) 579

Tantalum

A. Wucher and H. Oechsner, Emission energy dependence of ionization probabilities in secondary ion emission from oxygen covered Ta, Nb and Cu surfaces 199 (1988) 567

Thermal desorption

W.T. Tysoe and R.M. Lambert, Structure and reactivity at the halogen/metal interface: chemisorption, corrosion and reaction pathways in the Pd(111)–Cl_2 system 199 (1988) 1

J.W. Evans and H. Pak, Desorption from non-equilibrium island-forming adlayers 199 (1988) 28

E. Tronconi and L. Lietti, An exact single-curve analysis technique for TPD spectra 199 (1988) 43

D. Heskett, The interaction range in alkali metal-promoted systems 199 (1988) 67

F.P. Netzer, E. Bertel and A. Goldmann, Structure and surface chemistry of 5-membered cyclic molecules on Rh(111): pyrrole 199 (1988) 87

J.-P. Lu, M.R. Albert, S.L. Bernasek and D.J. Dwyer, Adsorption state conversion of CO on Fe(100) 199 (1988) L406

K.L. Carleton, B. Bourguignon and S.R. Leone, Desorption of a two-state system: laser probing of gallium atom spin–orbit states from silicon (100) 199 (1988) 447

D.N. Belton and S. J. Schmieg, Interaction of $[Rh(CO)_2Cl]_2$ with O_2 oxidized Al(100): effect of Al_2O_3 preparation on $[Rh(CO)_2Cl]_2$ decomposition 199 (1988) 518

A. Ertl, L. Röhrer and H. Wilsch, Simple model calculations on angular and velocity distributions of molecules after recombinative desorption 199 (1988) 537

Titanium carbide

R. Souda, C. Oshima, S. Otani, Y. Ishizawa and M. Aono, Structure analysis of oxygen adsorbed TiC(111) by impact collision ion scattering spectroscopy 199 (1988) 154

Titanium oxide

H. Onishi, T. Aruga, C. Egawa and Y. Iwasawa, Modification of surface electronic structure on TiO_2(110) and TiO_2(441) by Na deposition 199 (1988) 54

Work function

D. Heskett, The interaction range in alkali metal-promoted systems 199 (1988) 67

Bao Xinhe, Dong Shuzhong and Deng Jingfa, Adsorption of oxygen on electrolytic silver by UPS and work function measurement 199 (1988) 493

X-ray absorption

D.J. Holmes, D.R. Batchelor and D.A. King, Surface structure determination by SEXAFS: the reliability of bond lengths and coordination numbers from multi-shell analyses 199 (1988) 476

Zinc oxide

C.T. Au, W. Hirsch and W. Hirschwald, Adsorption and interaction of carbon dioxide, formic acid and hydrogen/carbon dioxide mixtures on $(10\bar{1}0)$ zinc oxide surfaces studied by photoelectron spectroscopy (XPS and UPS) 199 (1988) 507